

Sweet Karoline's Cakes Technical Systems	Version: 1.0
Use Case Specification: Create Customer Account Information	Date: 10/12/2018
Very Good Company	Use CaseID: H0004

Use Case Specification: Create Customer Account Information

1. Create Customer Account Information

1.1 Brief Description

When a customer fills out an account creation form their information will be stored for later retrieval and allow for account management.

2. Flow of Events

2.1 Basic Flow

The following fields are input by the customer in the Create Account Form. The customer inputs their first name. The customer inputs their last name. The customer inputs their address line1. The customer inputs their address line2. The customer inputs their city. The customer inputs their state. The customer inputs their zip-code. The customer inputs their email. The customer inputs their phone number. The customer inputs their desired username. The customer inputs their desired password.

The Create Account Form makes a PUT call to the cloud database. The database checks if the desired username is a duplicate and that all fields are valid. The database responds with a success or failure message to the Create Account Form. The Create Account Form relays the database response to the customer.

2.2 Alternative Flows

3. Special Requirements

3.1 Digital Security of Personally Identifiable Information

Extra steps for digital security should be taken to protect the PII. Encryption of data is suggested.

4. Pre-conditions

4.1 Key Customer Inputs Are Unique

Some fields for a customer record need to be unique. Emails shall not be duplicated. Name and Address combination shall not be duplicated. Desired username shall not already exist.

4.2 Form Inputs are Valid

Form inputs must be valid base on field. Phone numbers must be in the correct format. Email must be a valid email. Zip must be in the correct format. City must be a valid city. State must be valid state.

5. Post-conditions

5.1 The Customer's Account is Created

The customer's account is created and stored in the database. Now the account information is accessible via logging in.

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6. Extension Points

6.1 Customer Account Information Already Exists

The following fields are input by the customer in the Create Account Form. The customer inputs their first name. The customer inputs their last name. The customer inputs their address line1. The customer inputs their address line2. The customer inputs their city. The customer inputs their state. The customer inputs their zip-code. The customer inputs their email. The customer inputs their phone number. The customer inputs their desired username. The customer inputs their desired password.

The Create Account Form makes a PUT call to the cloud database. The database checks if the desired username is a duplicate and that all fields are valid. If the Customer Account already exists, the database responds with a failure message to the Create Account Form. No data is stored yet.

The customer will receive the message on the Create Account Form page and asked to edit the duplicate fields or sign in to the pre-existing account.

6.2 Desired Username Already Exists

The following fields are input by the customer in the Create Account Form. The customer inputs their first name. The customer inputs their last name. The customer inputs their address line1. The customer inputs their address line2. The customer inputs their city. The customer inputs their state. The customer inputs their zip-code. The customer inputs their email. The customer inputs their phone number. The customer inputs their desired username. The customer inputs their desired password.

The Create Account Form makes a PUT call to the cloud database. The database checks if the desired username is a duplicate and that all fields are valid. If the desired username already exists, the database responds with a failure message to the Create Account Form. No data is stored yet.

The customer will receive the message on the Create Account Form page and asked to change the duplicate username or sign in to the pre-existing account.